

Organic diodes with switchable photosensitivity

Publication number: CN1270706

Publication date: 2000-10-18

Inventor: GANG YU (US); YONG CAO (US)

Applicant: UNIAX CORP (US)

Classification:


- **International:** **G01T1/20; G01T1/29; G01T1/36; H01L27/146;**
H01L27/30; H01L31/10; H01L51/00; H01L51/05;
H01L51/30; H01L51/42; G01T1/00; H01L27/146;
H01L27/28; H01L31/10; H01L51/00; H01L51/05;
H01L51/42; (IPC1-7): H01L51/00; H01L51/10

- **European:** H01L27/30D2: H01L27/146F: H01L51/42H: Y01N4/00

Application number: CN19988009103 19980814

Priority number(s): US19970055840P 19970815

Also published as:

 WO9909603 (A1-corr)

WO9909603 (A1)

EP1027741 (A1-corr)

EP1027741 (A1)

EP1027741 (A0)

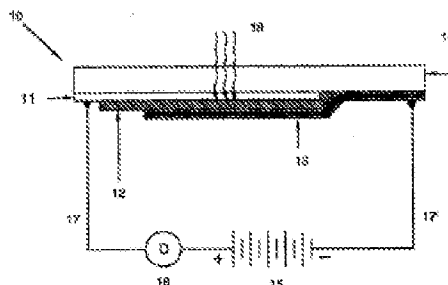
[more >>](#)

[Report a data error here](#)

Abstract not available for CN1270706

Abstract of corresponding document: **WO9909603**

Organic diode detectors (10) with switchable photosensitivity are achieved using organic photo layers (12) in the photodiodes and a detector circuit (15, 16) which applies a reverse or forward bias voltage across the diodes. These diodes can be arranged in matrices which function as high-performance, two-dimensional image sensors. These image sensors can achieve full color or selected color detection capability.



Data supplied from the **esp@cenet** database - Worldwide